Job code- 016-19-000013 Estimated cost Rs. 200.00 Lakhs

(Date: .....

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE
(For other works)

Bill No. 1st & Part bill
Division : Executive Engineer **Sub-Division - AEE,**

Bill Received No: ..... Dated : .....
Cash Book Voucher No: ..... Dated: .....

Schedule .....
Docket No: ..
Head of Account :

NAME OF WORK:- Packages VIII: Improvements and Development of School Building at Jalahalli in Ward no 16

Name of the Contractor Sri. Damodar Manjunath, M/s. K.Damodar &Co

Reference to Agreement No:EE/Tend -08/2019-20, Dt: 18.12.2020

Certified that the measurements were taken by me from ..... to ..... and recorded on 07/01/22

For M/s. K. DAMODAR & Co.
MANJUNATH
Managing Partner

Contractor

Officer- In charge of work.

Certified that the measurement were checked by me on 07/01/22 and found correct
The work is satisfactorily executed.

Certified that the Quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of imperishable nature and are all required for immediate use on the work in connection with items for finished have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

Memorandum of payment

1	Total value of work done or supplies made as per the account					
2	Deduct amount to be held in reserve being ..... percent					
3	" Balance	Total Work done	11688715	701323	701323	1309136
4	Deduct payments	Less FSD	—	—		—
	a) Amount of previous payment as in the office cash book voucher	Present Bill Amount	11688715	701323	701323	1309136
	b) Payments cost store or other materials supplied Now made recovery of amount creditable of this/other work. Amount paid on this bill Cheque/ Cash.	IT KST Royalty CBE BWF CGST SGST Cess				233774 - 11688 7 - 116887 -
5	Balance being unpaid value of work done held in reserve.	LR (Stone & Gravel)				120876
6	Deduct cash advance made on the office Cash Book Voucher No. Dated ..... less adjustments.	Cheque LR (Sand) 40026				
7	Net amount due to or from Contractor.	FSD				550000 -
8	Advance to contractor for materials brought to site (as detailed)	WWC				116887 -
	Check measured by Executive Engineer on In MB No. In page No.	CBF				11689 -
	Received Rs.	Add				1267000 -
	(in words)	Cheque				1182436 1 -

By Cash & by adjustment of Payment as per memorandum

Witness :
1
2

Dated

For M/s. K. DAMODAR & Co.
MANJUNATH
Managing Partner
Stamp
Contractor

Paid by me by Cheque No. ..... Dated .....

Cash Rs. .....

Initials of Officer making Payment

Audited and admitted for Rs. 1309136 1 -
Passed for Cheque Dated: Rs. 11824361 -
(One crore eighteen lakh twenty four thousand three hundred and sixty one only —
by adjustment 1267000 -

Executive Engineer
Asst. Engineer
Jalahalli Nagar Division, BBMP

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Items No	Description of work	Unit	Schedule B		Previous Measurment		Present Measurment			Total Up-to-date		Remark
			Qty	Rate Rs.	Qty	Cost	Qty	Rate Rs P	Cost	Qty	Cost	
1	KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete,-wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications.KSRRB M200-12.2.-d o -i) Lime/Cement Concrete. I. By Manual Means :B. Cement Concrete Grade M-15 & M-20. **(Page no. 139: Item 18.18 P.W.D. SR-2018-19)**	cum	181.7	665			181.7	665	120830.5	181.7	120830.5	
2	KSRRB M200-14.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications,KSRRB M200-14.2. -d o - Dismantling brick/Tile work B. In cement mortar. **(Page no. 139: Item 18.23 P.W.D. SR-2018-19)**	cum	197.34	419			197.34	419	82685.46	197.34	82685.46	
3	KSRB 200-7.1 : Clearing grass and removal of rubbish by manual means and stacking out side the periphery of the area cleaned as per specifications. MORTH Specification No.201 **(Page no. 138: Item 18.10 P.W.D. SR-2018-19)**	HA	0.15	30737			0.15	30737	4610.55	0.15	4610.55	
5	KSRB 2-2.1 **Earth work excavation for foundation of building,** culverts, water supply sanitary lines, and electrical conduits either pits or in trenches 1.5m and above in width, in **Ordinary** not exceeding 1.5m in depth including dressing bottom and sides of pits and trenches, stacking excavated soil clear from edges of excavation with lead up to 50m after breaking of clods complete as per specifications.(Pg No 6-Item No 2.3 P.W.D. SR-2018-19)	cum	866.59	357			866.59	357	309372.63	866.59	309372.63	
	RESERVE QTY	cum					107.81		0		0	
6	KSRB-3.2 : Providing and injecting chemical emulsion for **Pre-constructional Anti-Termite Treatment,** creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical,diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured) (Pg No 10-Item No 3.2 P.W.D. SR-2018-19)	Sqm	811.32	127			811.32	127	103037.64	811.32	103037.64	
	RESERVE QTY	cum					186.56		0			
7	KSRB 4-1.2 Providing and Laying in position plain cement concrete of Mix 1:3:6 with OPC Cement @180kgs with 40mm down size graded granite metal coarse aggregate 0.85cum and fine aggregate @ 0.57Cum machine mixed concrete laid in layers not exceeding 15cm thick well compacted in foundation, plinth, including cost of materilas, HOM of machineries, curing complete as per specification. **(Issue rate as on date 21-10-19, Item No. 4.2)**	cum	119.55	6297			119.55	6297	752806.35	119.55	752806.35	
	RESERVE QTY	cum					11.96		0			

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8	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6. **(Issue rate as on date 21-10-19, Item No. 4.12)**	cum	164.85	7367			138.71	7367	1021876.57	138.71	1021876.57	
9	KSRB 4-6.1 : Providing and removing a centering, shuttering, strutting, propping eic.., and removal of form work for a foundation footing bases of column for mass concrete including cost of all materials, labours, complete as per specificatons (Pg No 16-Item No 4.28@ P.W.D SR -2018-19)	Sqm	269.4	300			269.4	300	80820	269.4	80820	
	RESERVE QTY	cum					85.78		0			
10	KSRB 4.2.7 : **Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs,** with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for **roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc.,** including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6. **(Issue rate as on date 21-10-19, Item No. 4.12) Ground Floor**	cum	42.07	7367			22.12	7367	162958.04	22.12	162958.04	
11	KSRB 4.2.7 : **Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs,** with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for **roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc.,** including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6. **(Issue rate as on date 21-10-19, Item No. 4.12)For First Floor**	cum	25.12	7438			21.2	7438	157685.6	21.2	157685.6	
13	KSRB 4-6.5: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square /rectangular / polygon in plan including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (P.No.16, I.No 4.32 of P,W, D S.R 2018-19) For Ground Floor	Sqm	478.98	545			251.94 250.32	545	136424 137307.3	251.94 250.32	136424 137307.3	
14	KSRB 4-6.5: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square /rectangular / polygon in plan including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (P.No.16, I.No.4.32 of P,W, D S.R 2018-19) For Ground Floor	Sqm	258.48	552			231.27	552	127661.04	231.27	127661.04	

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16	KSRB 4.2.7 : **Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs,** with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof **slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc.,** including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6. **(Issue rate as on date 21-10-19, Item No. 4.12)**	cum	28.84	7367			28.84	7367	212464.28	28.84	212464.28	
	RESERVE QTY	cum					3.38		0			
17	KSRB 4-6.5: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square /rectangular / polygon in plan including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (P.No.16, I.No.4.32 of P,W, D S.R 2018-19) For Ground Floor	Sqm	283.03	428 545			283.03	428 545	121137 154251.35	283.03	121137 154251.35	
	RESERVE QTY	cum					37.62		0			
18	ksrb 5.2-3 Providing and constructing **grinite /trap/basalt size stone masonry in foundation with cement motar 1:6 stone hammer dressed** in coursenot less than 20cm high bond stones at two m apart in each course including cost of materils ,lobour curing complete as per specification. **(Issue rate as on date 21-10-19, Item No. 5.6)**	cum	56.27	5522			56.27	5522	310722.94	56.27	310722.94	
	RESERVE QTY	cum					35.81		0			
19	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones hammer dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **(Issue rate as on date 21-10-19, Item No. 5.9)**	cum	21.44	6581			21.44	6581	141096.64	21.44	141096.64	
	RESERVE QTY	cum					64.79		0			
20	KSRB-15.2.2 **Providing ruled pointing to coursed stone masonry with cement mortar 1:3** , 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials,labour,curing complete as per specification. **(Issue rate as on date 21-10-19, Item No. 15.8)**	Sqm	47.64	59			47.64	59	2810.76	47.64	2810.76	
	RESERVE QTY	Sqm					4.34		0			
21	KSRB 2.3 : Filling available excavated earth (excluded rock)in side of founation upto plinth in layers not exceeding 20cms In depth compacting each deposited layers by ramming after watering with lead up to 50m. And lift up to 1.5m including cost of all labours complete as per specification (page 7 : item 2.10 @ P.W.D SR-2018-19)	cum	582.19	240			582.19	240	139725.6	582.19	139725.6	
	RESERVE QTY	cum					478.75		0			
25	KSRB 5-14.1 : Providing and constructing percast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, jamb closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I.S : 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (Issue rate as on date 21-10-19, Item No. 5.27.2) For Ground Floor	Sqm	34.43	1141			34.43	1141	39284.63	34.43	39284.63	
	RESERVE QTY	Sqm					630.14		0			

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26	KSRB 5-14.1 : Providing and constructing percast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, jamb closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I.S : 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (Issue rate as on date 21-10-19, Item No. 5.27.2) For First Floor	Sqm	26.55	1183			26.55	1183	31408.65	26.55	31408.65	
	RESERVE QTY	Sqm					665.12		0			
44	KSRB 4-6.7: Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides and soffits of beams, beam haunchings, cantilever, girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.17, I.No.4.34 of PWD S.R 2018-19) For Ground Floor	Sqm	333.41	349			333.41	349	116360.09	333.41	116360.09	
	RESERVE QTY	cum					22.9		0			
45	KSRB 4-6.7: Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides and soffits of beams, beam haunchings, cantilever, girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.17, I.No.4.34 of PWD S.R 2018-19) For First Floor	Sqm	333.41	356			333.41	356	118693.96	333.41	118693.96	
	RESERVE QTY	cum					14.31		0			
47	Providing and laying cement concrete using 20mm down size granite jelly of ready mixed concrte (RMC) for R.C.C works laid in 15cms thick and well compacted vibrating, curing etc.,including smooth finish cement mortar 1:3,with all lead lifts etc., complete (exclusive of cost of steel and fabrication charges) -Ready mixed cement concrete for Beams,columns,stairecase and Roof with M-25 (1:1.5:3)(Cement-320Kg/cum) (Issue rate as on date 21-10-19, Item No. 4.49.2) For Ground Floor	cum	101.79	6713			101.79	6713	683316.27	101.79	683316.27	
	RESERVE QTY	cum					36.64		0			
48	Providing and laying cement concrete using 20mm down size granite jelly of ready mixed concrte (RMC) for R.C.C works laid in 15cms thick and well compacted vibrating, curing etc.,including smooth finish cement mortar 1:3,with all lead lifts etc., complete (exclusive of cost of steel and fabrication charges) -Ready mixed cement concrete for Beams,columns,stairecase and Roof with M-25 (1:1.5:3)(Cement-320Kg/cum) (Issue rate as on date 21-10-19, Item No. 4.49.2) For First Floor	cum	107.37	6713			107.37	6713	720774.81	107.37	720774.81	
	RESERVE QTY	cum					29.74		0			
50	KSRB 4-6.3: Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for flat surface such as suspended floors,roofs,landings,balconies and likes thickness above 200 mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.16, I.No.4.30 of PWD SR 2018-19) For Ground Floor	Sqm	678.6	526			667.08	526	350884.08	667.08	350884.08	
51	KSRB 4-6.3: Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for flat surface such as suspended floors,roofs,landings,balconies and likes thickness above 200 mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.16, I.No.4.30 of PWD SR 2018-19) For First Floor	Sqm	715.78	526			667.52	526	351115.52	667.52	351115.52	
71	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and achoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications Specification No KBS (P.No.18, I.No.4.46.2 of PWD SR 2018-19)	Tonne	56.46	76596			56.46	76596	4324610.16	56.46	4324610.16	

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	RESERVE QTY	Tonne					9.15		0			
89	Providing and filling in foundation / below flooring with granite / trap broken metal 100mm and down size with approved quality sand including hand packing, ramming, watering, including the cost of all materials and labour with all lead and lift complete. (PWD-SR 2018-19, P.7 I No.2.15)	cum	67.5	2899			67.5	2899	195682.5	67.5	195682.5	
	RESERVE QTY	cum					3.43		0			
95	Geophysical investigation of site for Sinking borewell for supplying drinking water to the habitations either through the hand pump,MWS,P.W.S.S by vertical electrical sounding by adpoting venner or Schlumberger's method,including reconnaissance survey of Geological formation. Geophysical investigation of existing ground indecundity its quality & acceptability of the users indicating the location of site,recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre inconsolidated formation for proper seating of casing pipe,depth of drilling required to cover full depth of aquifer proposed to be tapped,probable yield and other information required including transportation of instrument and accesories to work site,engaging technical personal and labour required etc.,(Issue rate as on date 02/05/2019 It.13.04)	Nos	1	4164			1	4164	4164	1	4164	
96	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) (Issue rate as on date 02/05/2019 It.13.01) 0 to 50m	Sqm	50	384			50	384	19200	50	19200	
97	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) (Issue rate as on date 02/05/2019 It.13.01) 50 to 100m	Rmt	50	489			50	489	24450	50	24450	
98	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) (Issue rate as on date 02/05/2019 It.13.01) 100 to 150m	Rmt	50	504			50	504	25200	50	25200	

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99	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) (Issue rate as on date 02/05/2019 It.13.01) 150 to 200m	Rmt	50	593			50	593	29650	50	29650	
100	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) (Issue rate as on date 02/05/2019 It.13.01) 200 to 250m	Rmt	50	701			50	701	35050	50	35050	
101	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) (Issue rate as on date 02/05/2019 It.13.01) 250 to 300m	Rmt	50	774			50	774	38700	50	38700	
102	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) (Issue rate as on date 02/05/2019 It.13.01) 300 to 350m	Rmt	50	912			50	912	45600	50	45600	
103	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) (Issue rate as on date 02/05/2019 It.13.01) 350 to 400m	Rmt	50	995			50	995	49750	50	49750	

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104	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) (Issue rate as on date 02/05/2019 It.13.01) 400 to 420m	Rmt	20	1248			20	1248	24960	20	24960	
105	Providing and fixing 250mm dia PVC (casing pipe) (page no.XXXI, SL no.909) (KPWD SR 2016-17)	Rmt	12	2873			12	2873	34476	12	34476	
106	Supply of ISI Mark 175mm nominal Bore, Plain end steel casing Pipe-grade of steel Fee 4100 of wakk thickness 504mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel electric or basic oxygen process in fandom length of 5 to 7mtr. Both ends threaded confirming to Is554/1985 one end fixed with socket confirming to IS 270:2001 and other end with screwed pipes. All pipes shall be reasonably free from defectes. The tubes shall be resonably straigth should be with ISI Marking Weighting 25.10 kg/mtr (Inclusive of all taxes and durties) Prices include Collar - medium duty. (Page No.III,It no.84)PRED SR 2012-13.	Rmt	50	1465 73250			50	1465	73250	50	73250	
107	Providing 175mm Dia M.S. Collar (P.No.iii,I.No.86) PRED SR 2012-13	Nos	8	166 1328			8	166	1328	8	1328	
108	Providing 175mm dia Bore Cap CE (M) (P.No.iii,I.No.85) PRED SR 2012-13	Nos	1	111			1	111	111	1	111	
109	Atalanta suguna CRI KIRLOSKAR and other equipments pumps 10.00 HP/7.5 KV (20 stage) (Pg No. XLI. Sl.no.29) KPWD SR-2018-19	Nos	1	55201			1	55201	55201	1	55201	
110	Providing and fixing in trenches galvinised/mild steel tube 50mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for seperately) including cost of all materials, labour charges,HOM of equipment and testing complete as per specifications. Specification No. KBS 13.2.14/13.6 (page no.92/It no.13.15)KPWD SR 2018-19.	Rmt	370	455			370	455	168350	370	168350	
111	Supplying and drawing 3 core flat PVC sheathed submersible pump cable maufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 to IS 8130-1984 and virgin grade PVC insulation and power coating extruded PVC sheathed suitable for working voltage upto 1100 volts with specified IS 694:1990 and confirming to the attwached GTP of group A 3CX4.0 sq.mm (PWD Ele SR 2014-15,P-12/It-2.10.3)	Rmt	750	141			750	141	105750	750	105750	
112	Providing and fixing in position 50mm Nominal bore non-return valve vertical type of approved make including cost of all materials,labour and HOM of equipment with all leads complete as per specifications.(PWD SR 18-19,P-95/It no.13.62)	Nos	1	1487			1	1487	1487	1	1487	
113	Spplying and fixing 50mm GI Union.(PWD SR 2018-19,P-XXXIX)	Nos	1	248			1	248	248	1	248	
114	Spplying and fixing 50mm GI Elbow.(PWD SR 2018-19,P-XXXIX)	Nos	1	124			1	124	124	1	124	
115	Spplying and fixing 50mm GI Nipple.(PWD SR 2018-19,P-XXXIX)	Nos	1	116			1	116	116	1	116	

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116	Spplying and fixing 50mm GI Hose colleres(PWD SR 2018-19,P-XXXIX)	Nos	62	114			62	114	7068	62	7068	
117	Supplying and fixing 20" x 20" x 2.5" polished wood board made of not less than 15mm thick plank on both the sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., P.no.44 / I no. 6.6.6 KPWD ELE SR 2019-20	Nos	1	334			1	334	334	1	334	
118	Supplying and fixing miniature circuit breakers on existing MCB distribution board using necessary fixing materials and 'C' type curve indicator ON/OFF energy cross-3 with short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.(PWD Ele SR 2019-20,P-47/Sl no.6.16.6) 40-63 Amps	Nos	1	2140			1	2140	2140	1	2140	
119	Supplying of TPST with rewirable porcelain channels in SM encloser made out of 14 SWG powder coated point of approved colour 32 amps (PWD Ele SR 2019-20,P-24,It-5.5.1)	Nos	1	1989			1	1989	1989	1	1989	
120	Supplying and fixing LED type panel board indicating lamp with required colour suitable for 220 V AC 50 HZ 12/24 V DC(PWD Ele SR 2019-20,p-29,Sl no.5.38)	Nos	1	476			1	476	476	1	476	
121	Suppling fully automatic star delta starter unit push button type with suitable wires 2 conductors and adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 volts phase and wired after fixing to the existing wooden board for motor. upto 12.5HP(PWD Ele SR 2019-20,p-24,Sl no.-5.2.1)	Nos	1	7072			1	7072	7072	1	7072	
122	Supplying and fixing single phase preventer using necessary wires over an existing panel board suitable for motar up to 20 HP capacities.(PWD Ele SR 2019-20,p-44/Sl no.5.3)	Nos	1	824			1	824	824	1	824	
123	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade multistrand copper conductor single core wire in open or concealed system of wiring as per IS 694:1990 & conforming to the attached GTP of group A. 4 sqmm (PWD Ele SR 2019-20,p-6,It-2.3.4(d)	Mtrs	20	50			20	50	1000	20	1000	
124	Supplying fixing and wiring heavy duty low voltage capacitors conforming to IS 2834 phase 400/440 volts grade, for power factor improvement of rotating machinery.(PWD Ele SR 2019-20,p-29/Sl no.5.37)	Nos	4	442			4	442	1768	4	1768	
125	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cotouts and other equipments on the meter board using 40mm dia 2.90 thick GI pipe 2.5 mtr long buried in a pit... The pit should be filled with equal proprotion of salt and charcoal 150mm alround the pipe to complete depth. The connection from the to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia (PWD Ele SR 2019-20,p-40,Sl no.6.1)	Nos	1	3315			1	3315	3315	1	3315	
126	Digging of trench of 0.36mtrs deepx0.5 mtrs wide refilling the trench to the required gorund level and consolidating etc., complete (PWD Ele SR 2019-20,p-41,It-6.6.2) hard soil	Mtrs	8	113			8	113	904	8	904	

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	GTP) and extruded PVC outer sheathed armoured cable with specified IS-1554,part-1:1988 and confirming to the attached GTP of group A 4 core 16 sq mm PWD Ele SR 2019-20,p-40,It-6.4.4)	Mtrs	10	166			10	166	1660	10	1660	
128	Labour charge for laying 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe/ on wall / on poles as required in existing trench/duct. 6 sq mm to 16 sq mm(PWD Ele SR 2019-20,p-41,It-6.5.1)	Nos	25	14			25	14	350	25	350	
129	Supplying and fixing class-A(medium duty) GI pipe wall thickness not less then 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1KV class 40mm(PWD Ele SR 2019-20,p-41,It-6.9.1)	Rmt	2	371			2	371	742	2	742	
130	Supplying and fixing LT cast iron pot heads suitable for 1.1KV class UG cable filled with necessary bitumen / insulating compound complete with terminals,clamps bolts and nuts and washer etc.,complete for 16 sq mm as per specifications (PWD Ele SR 2019-20,p-42,It-6.10.2)	Nos	1	299			1	299	299	1	299	
131	Supplying and fixing porcelain fuse channel with cut out on the existing wooden block and wiring complete 63 amps(PWD Ele SR 2019-20,p-25,It-5.7.3)	Nos	3	251			3	251	753	3	753	
	TOTAL								11688715		11688715	
	Add 12% GST								1406725.55		1402646	
	TOTAL								13129438.47		13091361	

Certificate

1 The above work has been Completed satisfactorily
2 The debris has been removed and disposed from the work spot.
3 No departmental issues are made to the contractor

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

11688715

Royalty charges for

1 Jelly/ Metal= 427.15Cum @Rs126= 53820.9
2 Sand= 367.32Cum @Rs138= 50690.16
3 SSM= 120.27Cum @Rs184= 22129.68

Assistant Engineer
Ward No- 16
BBMP

Assistant Executive Engineer
Yeshwanthapura Sub-Division
BBMP

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